

ABSTRACT

A method for deshadowing a laminographic image comprises selecting a mathematical morphology structuring element larger than examination elements of a laminographic image to be inspected, performing a mathematical morphological operation on said image, and differentiating a background of said image from said examination elements to remove said background. The mathematical morphological operation may be a dilation or a closing for a positive image. For a negative image the mathematical morphological operation may be an erosion or an opening. Embodiments call for the use of a power of two structuring element, a bi-directional power of two structuring element, a terraced structuring element, or a sloped structuring element. The mathematical morphological operation may comprise at least one piecewise linear dilation or erosion by a structuring element of limited support. Thresholding may be used to provide a deshadowed binary image.